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TITLE: Separator for pressing stacks of multilayered printed circuit conductors - has permanent reusable coating of chemically deposited nickel containing PTFE particles to avoid adhesion of overflowing bonding resin

PRIORITY-DATA: 1997DE-2019716 (November 6, 1997)

PATENT-FAMILY:

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BASIC-ABSTRACT:

A separator, especially for press tools making multilayered resin bonded conductors for printed circuits, has a body with upper and lower parallel pressure surfaces and is bounded by several edges. At least one of the pressure surfaces of the body (9) is covered with a permanent, anti-adhesive coating with at least one layer (14) containing dispersed fluoropolymer particles.

USE - Used as a separator plate for hot pressing a stack of several multilayered, resin bonded conductor plates for printed circuits.

ADVANTAGE - The coating is stronger than solid PTFE and resists bonding pressure and temperature. The separators can be readily cleaned and used repeatedly.